
LA-UR-03-5923
August 2003

Los Alamos National Laboratory General Part B Permit Renewal Application

Revision 2.0

Prepared by:

*Los Alamos National Laboratory
Risk Reduction and Environmental Stewardship Division
Solid Waste Regulatory Compliance Group (RRES-SWRC)
Los Alamos, New Mexico 87545*

**Los Alamos National Laboratory
General Part B Permit Renewal Application**

Revision 2.0

**LA-UR-03-5923
August 2003**

Prepared by:
Los Alamos National Laboratory
Risk Reduction and Environmental Stewardship Division
Solid Waste Regulatory Compliance Group (RRES-SWRC)
Los Alamos, New Mexico 87545

TABLE OF CONTENTS

LIST OF APPENDICES	ii
LIST OF SUPPLEMENTS.....	iii
LIST OF TABLES.....	iv
LIST OF ABBREVIATIONS/ACRONYMS.....	v
1.0 INTRODUCTION.....	1-1
2.0 FACILITY OPERATIONS AND UNIT DESIGNS.....	2-1
2.1 GENERAL FACILITY OPERATIONS.....	2-2
2.1.1 Security Procedures and Equipment/Access Control	2-2
2.1.2 Preparedness and Prevention Requirements.....	2-2
2.1.2.1 Required Equipment	2-2
2.1.2.2 Testing and Maintenance of Equipment	2-3
2.1.2.3 Access to Communications or Alarm System	2-3
2.1.2.4 Support Agreements with Outside Agencies	2-3
2.1.3 Hazards Prevention	2-4
2.1.4 Prevention of Accidental Ignition or Reaction of Ignitable, Reactive, or Incompatible Waste	2-4
2.1.5 Off-Site Wastes	2-4
2.2 AIR EMISSION STANDARDS FOR PROCESS VENTS	2-5
2.3 AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS	2-5
2.4 AIR EMISSION STANDARDS FOR TANKS, SURFACE IMPOUNDMENTS, AND CONTAINERS	2-5
2.5 CONTAINMENT BUILDINGS	2-5
2.6 RECORDKEEPING REQUIREMENTS	2-6
2.6.1 Biennial Report	2-6
2.6.2 Unmanifested Waste Report	2-6
2.6.3 Additional Reports	2-7
2.7 LAND DISPOSAL RESTRICTIONS	2-7
3.0 OTHER FEDERAL LAWS.....	3-1
4.0 CORRECTIVE ACTION FOR SOLID WASTE MANAGEMENT UNITS	4-1
5.0 CERTIFICATION.....	5-1
6.0 REFERENCES.....	6-1

LIST OF APPENDICES

<u>APPENDIX</u>	<u>TITLE</u>
A	Facility Description
B	Waste Analysis Plan
C	Inspection Plan
D	Personnel Training Plan
E	Contingency Plan
F	General Closure Plan
G	General Post-Closure Plan

LIST OF SUPPLEMENTS

<u>SUPPLEMENT</u>	<u>TITLE</u>
1	Off-Site Waste Information
2	2003 Traffic Study Data
3	“Mapping 100-Year Floodplain Boundaries Following the Cerro Grande Wildfire”

LIST OF TABLES

<u>TABLE NO.</u>	<u>TITLE</u>
1-1	Regulatory References and Corresponding Permit Renewal Application Location
2-1	List of Off-Site Waste Management Facilities That May Return Treatment-Derived Waste or Waste Residuals to the Los Alamos National Laboratory
2-2	List of Off-Site Waste Management Facilities That May Send Waste to Los Alamos National Laboratory

LIST OF ABBREVIATIONS/ACRONYMS

20.4.1 NMAC	New Mexico Administrative Code, Title 20, Chapter 4, Part 1
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
HRMB	Hazardous and Radioactive Materials Bureau
IWP	Installation Work Plan
LANL	Los Alamos National Laboratory
MOU	memorandum of understanding
NMED	New Mexico Environment Department
PRS	potential release site
TA	technical area
T&E	threatened and endangered
<i>USC</i>	<i>United States Code</i>
USFWS	U.S. Fish and Wildlife Service